

ABSTRACT

There is provided a polyketone comprising repeating units, 95-100 mole% of which are 1-oxotrimethylene and having an intrinsic viscosity of 2.5-20 dl/g, wherein the content of Pd element is 0-20 ppm, terminal structures include an alkyl ester group (terminal group A) and an alkyl ketone group (terminal group B), and the equivalent ratio of terminal group A/terminal group B is 0.1-8.0. The polyketone of the present invention can be used in any forms, such as fibers and films, and can be applied to a wide variety of the uses such as clothing, reinforcing materials for rubbers, resins, cements, and optical fibers, electronic materials, battery materials, civil engineering materials, medical materials, daily commodities, fishery materials, and packaging materials.